



# Presentation on ANSI's Committee on Education

NIST/ICES International Standards Education Workshop  
February 21, 2008

*Presented by*

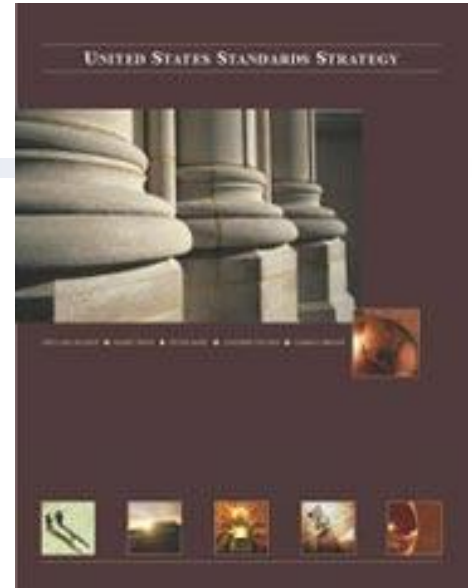
Dr. Richard Forselius  
Chair, ANSI Committee on Education

# ANSI's Educational Initiatives: Then and Now

- ANSI has been providing standards-related education services since it was founded in 1918
- A formal education program was established in the mid-1990's
- Today, ANSI's education initiatives are based in large part on guidance provided in the *United States Standards Strategy* (USSS)

# United States Standards Strategy (USSS)

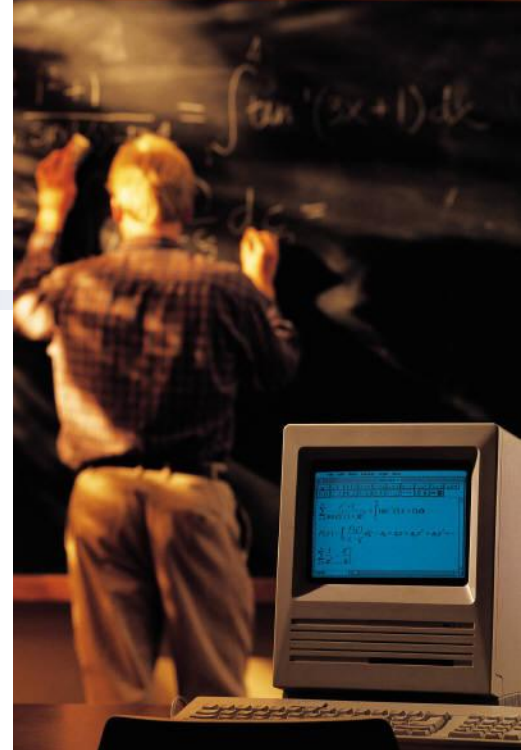
- Tactical Initiative  
*Establish standards education as a high priority within the United States private, public and academic sectors.*
- Action items for
  - ANSI
  - Standards developers
  - Government
  - Academia
  - All stakeholders



Approved December 2005

# ANSI Committee on Education

- Goals: Develop long term strategies to . . .
  - educate the next generation of business leaders on the strategic impact of standards and conformity assessment
  - include standards in institutions of higher education
  
- Leadership: A partnership of business and academia
  - Chairman: Dr. Richard Forselius, Hamilton Sundstrand, a UTC Company
  - Vice Chairman: Bruce Harding, Purdue University



# ANSI Committee on Education

- Membership:
  - 27 members, including 7 faculty and 1 guest (i.e., non-ANSI member)
  - Membership increased by 7 persons in 2007 and by 1 person thus far in 2008
  - Recruitment efforts are directed primarily to new faculty participants
  
- Meeting Schedule:
  - Committed to proactive engagement, the COE meets twice-yearly with a mid-meeting-cycle teleconference.

# ANSI Committee on Education – An Advisory Body for ANSI's Education and Training Activities

ANSI Committee on Education		
Instructor-led Training	Public and Member Information	University Outreach
<ul style="list-style-type: none"><li>■ Traditional classroom</li><li>■ Web-based</li><li>■ Virtual workshops</li></ul>	<ul style="list-style-type: none"><li>■ E-learning programs (<a href="http://www.StandardsLearn.org">www.StandardsLearn.org</a>)</li><li>■ Conferences and Symposia</li></ul>	<ul style="list-style-type: none"><li>■ Outreach programs to universities, high schools and other students</li></ul>

# ANSI Committee on Education

## ■ Instructor-Led Training Programs

- Supports ANSI traditional classroom, web-based and virtual workshop offerings.
- In line with current demand, courses being offered include:
  - Strategic Standardization Management
  - Effective Business/Industry Participation in Standards Development: Strategies for Success
  - Personnel Certification Accreditation Workshop: Understanding the Requirements of ANSI/ISO/IEC 17024
- A complete course listing can be found on [www.StandardsLearn.org](http://www.StandardsLearn.org)

# ANSI Committee on Education – Major Initiatives

- Business and Activity Plan
  - Review and maintain ANSI education and training business and activity plan
    - Addresses both business aspects of fee-based training as well as non-revenue generating activities such as general education and outreach
- Draft Strategic Plan
  - Develop and maintain draft strategic plan
    - Based largely on business and activity plan
    - Confirms fundamental elements such as products, customers, and content owners
    - Examines future of existing programs

# ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy*
  - Created E-learning web site ([www.StandardsLearn.org](http://www.StandardsLearn.org))
    - premier online resource for self-paced e-learning programs that help to raise awareness of standards and conformity assessment activities.
    - No-fee, public service programs
    - Each course is self-paced and includes assignments, links, exercises and exams
      - Current courses include
      - *Why Standards Matter*
      - *U.S. Standards – Today and Tomorrow*

# ANSI Committee on Education – Major Initiatives (continued)

- *Short course: Through History with Standards*
  - *Legal Issues in Standards Settings*
- More than 3500 participants have completed courses on the ANSI education portal since its launch in 2002
- Includes additional standards education resources
  - Acronym Directory: a database of acronyms commonly used in the standards and conformity assessment community
  - Standards Education Database: links to web-based education and distance learning resources related to standards and the organizations that develop them
  - ANSI Education and Training Services: Instructor-led Courses; Training Schedule; University Outreach Program; Committee on Education

# ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy* (continued)
  - Established a Case Studies Sub-group to
    - Develop a recommended case study template.
    - Develop a written policy/process for proposing & managing the development of viable, current case studies.
    - Assess types of cases that are desired by higher education, etc.
    - Recruit subject matter experts to prepare case studies. Coordinate and monitor their progress. Maintain an on-going inventory of cases proposed, in-progress & completed.

# ANSI Committee on Education – Major Initiatives (continued)

- Assess which professional journals already have case studies and catalog.
- Consider creating a standards/standardization journal. Assess who should serve on peer review/editorial committee (s).
- Assess potential connection of case studies to webinars.
- Support further higher education needs (EG Create presentations around cases; Develop test questions; Provide experts to visit the classroom, etc.)
- Support company interest in developing cases.
- Clearly define & understand legal issues around cases
- Make case studies freely available on [www.StandardsLearn.org](http://www.StandardsLearn.org)

# ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy* (continued)
  - Worked with The American Society of Civil Engineers (ASCE) to develop language that introduces codes and standards into a Body of Knowledge (BoK) statement for entry into the practice of civil engineering at the professional level
  - Responded to requests from the U.S. government to provide suggested U.S. input to both an APEC survey to *Develop Strategic Education Model for Standards and Conformance* and to queries regarding the usefulness of a textbook

# ANSI Committee on Education – Major Initiatives (continued)



## ■ University Outreach Pilot Project

- Launched in 2005, program makes standards, specifications and guidelines available for use by faculty and students in university classrooms
  - Participation is open to all disciplines in any U.S.-based institution of higher learning
  - Professors may select from more than 20,000 standards in the ISO and IEC collections
- Detailed enrollment forms and required acceptance of the End User License Agreement helps to protect the copyright on standards delivered
- Access to standards controlled via DRM system incorporated into eSubscriptions section of ANSI's eStandards Store.

# ANSI Committee on Education – Major Initiatives (continued)

- University Outreach Pilot Project (continued)
  - Requests to participate have been received from 46 professors representing various schools and academic institutions including:
    - Engineering: electronics, agricultural, biomedical, aerospace, civil, industrial
    - IT and Operations Management
    - Business Administration
    - Design and Graphics Design
    - Regulatory Affairs
    - Architecture
    - Law

# ANSI Committee on Education – Major Initiatives (continued)

- University Outreach Pilot Project (continued)
  - To date:
    - 40 schools have been/are now participating
    - 1019 students in the classes have been/are now engaged
    - 270 standards have been provided

# Contact Information

- For additional information regarding the ANSI Committee on Education, contact
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